

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	("20020171918" "4894839" "5441803" "5479430" "6014393" "6094297" "6134258" "6256142" "6284085" "6377593" "6458176" "6472242" "6548176" "6566152").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/10 08:27
S2	1	"1" and zin near3 zag	US-PGPUB; USPAT	OR	OFF	2005/12/15 08:44
S3	17274	"1" and zig near3 zag	US-PGPUB; USPAT	OR	OFF	2005/12/15 08:43
S4	1	S2 and zig near3 zag	US-PGPUB; USPAT	OR	OFF	2005/12/15 08:43
S5	1	S2 and zig near3 zag	US-PGPUB; USPAT	OR	OFF	2005/12/15 08:43
S6	14	("20020171918" "4894839" "5441803" "5479430" "6014393" "6094297" "6134258" "6256142" "6284085" "6377593" "6458176" "6472242" "6548176" "6566152").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/15 08:44
S7	0	S6 and zin near3 zag	US-PGPUB; USPAT	OR	OFF	2005/12/15 09:03
S8	356	optical near slab	US-PGPUB; USPAT	OR	OFF	2005/12/15 09:03
S9	3	optical near slab near3 transverse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:04
S10	12	optical near slab with transverse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:08
S11	300	dicing with waveguide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:09
S12	291	(cleave or cleaving) with waveguide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:16

## EAST Search History

S13	9	(cleave or cleaving) with slabs	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:33
S14	2	(cleave or cleaving or dice or dicing) with slabs with optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:34
S15	15	(cleave or cleaving or dice or dicing) with "zig-zag"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:35
S16	1	2005-354117.NRAN.	DERWENT	OR	OFF	2005/12/15 09:35
S17	2	(cleave or cleaving or dice or dicing) with "zig-zag" with slabs	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:35
S18	2	(cleave or cleaving or dice or dicing) same "zig-zag" with slabs	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 09:35
S19	33	("3609389"   "3810041"   "4191931"   "4698816"   "4894839"   "4953166"   "5130995"   "5305345"   "5317447"   "5394413"   "5402437"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5610933"   "5673281"   "5732100"   "5832010"   "5844932"   "5991315"   "6014393"   "6094447"   "6134258"   "6219361"   "6240113"   "6271923"   "6344937"   "6373865"   "6377593").PN. OR ("6566152"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 09:38
S20	26182	zig near zag or "zig-zag" with amplifier	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 09:39

## EAST Search History

S21	17	("4984246"   "5084888"   "5084889"   "5299220"   "5373576").PN. OR ("5479430").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 09:39
S22	20	("3810041"   "4191931"   "4894839"   "4953166"   "5305345"   "5394413"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5732100"   "5832010"   "5844932"   "5991315"   "6094447").PN. OR ("6377593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 10:16
S23	8	("4731795"   "5854802"   "5991012").PN. OR ("6373865").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 10:09
S24	27	Raman-active near medium	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 10:16
S25	40	Raman-active near medium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 10:16
S26	20	("3810041"   "4191931"   "4894839"   "4953166"   "5305345"   "5394413"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5732100"   "5832010"   "5844932"   "5991315"   "6094447").PN. OR ("6377593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 10:25
S27	297	(438/27).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 10:33
S28	49	facet with (cleave or dice or dicing or cleaving) same active	USPAT	OR	OFF	2005/12/15 10:35
S29	4733	optical near fiberwith (cleave or dice or dicing or cleaving) same active	USPAT	OR	OFF	2005/12/15 10:36
S30	5	optical near fiber with (cleave or dice or dicing or cleaving) same active	USPAT	OR	OFF	2005/12/15 10:36
S31	319	optical near fiber with (cleave or dice or dicing or cleaving)	USPAT	OR	OFF	2005/12/15 10:37
S32	75	zigzag near4 optical near4 path	USPAT	OR	OFF	2005/12/15 10:48

## EAST Search History

S33	20	("20020039377"   "20020110166"   "20030063638"   "3631362"   "5063566"   "5091915"   "5115445"   "5131002"   "5305345"   "5311528"   "5315612"   "5317585"   "5386427"   "5796766"   "6002695"   "6101201"   "6665328"   "6667999"   "6804274"   "6810060").PN. OR ("6944196"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 10:38
S34	20	("3810041"   "4191931"   "4894839"   "4953166"   "5305345"   "5394413"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5732100"   "5832010"   "5844932"   "5991315"   "6094447").PN. OR ("6377593"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 10:42
S35	125	(zigzag or zig near zag or "zig-zag" )near4 optical near4 path	USPAT	OR	OFF	2005/12/15 10:50
S36	24	(zigzag or zig near zag or "zig-zag" )near4 optical near4 path and fabrication	USPAT	OR	OFF	2005/12/15 10:55
S37	8	S6 and (fabrication or production)	USPAT	OR	OFF	2005/12/15 10:53
S38	9237	(zigzag or zig near zag or "zig-zag" )and (fabrication or production)	USPAT	OR	OFF	2005/12/15 10:55
S39	369	(zigzag or zig near zag or "zig-zag" ) same optical and (fabrication or production)	USPAT	OR	OFF	2005/12/15 11:14
S40	433	(zigzag or zig near zag or "zig-zag" ) same (optical or amplifier) and (fabrication or production)	USPAT	OR	OFF	2005/12/15 11:16
S41	261	(zigzag or zig near zag or "zig-zag" ) with(optical or amplifier) and (fabrication or production)	USPAT	OR	OFF	2005/12/15 11:24
S42	4	((("5,555,254") or ("5,646,773") or ("6,094,297") or ("6,178,040"))).PN.	USPAT; USOCR	OR	OFF	2005/12/15 11:20
S43	41	(zigzag or zig near zag or "zig-zag" ) with(amplifier) and (fabrication or production)	USPAT	OR	OFF	2005/12/15 11:24
S44	86	(zigzag or zig near zag or "zig-zag" ) with(amplifier) and (fabrication or production or method)	USPAT	OR	OFF	2005/12/15 11:26
S45	23442	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab oscillator-amplifier) and (fabrication or production or method)	USPAT	OR	OFF	2005/12/15 11:26

## EAST Search History

S46	114	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) and (fabrication or production or method)	USPAT	OR	OFF	2005/12/15 11:38
S47	4	("5307430"   "6049558").PN. OR ("6222872").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 11:28
S48	36	("3307113"   "4156852"   "4528671"   "4555786"   "4809291"   "4949346"   "4969155"   "5033058"   "5103457"   "5285310"   "5307365"   "5307430"   "5317585"   "5349600"   "5351251"   "5418880"   "5533163"   "5553088"   "5557628"   "5581573"   "5619522"   "5627849"   "5636239"   "5841805"   "5867324"   "5949805"   "6055260"   "6094297"   "6134258"   "6222872"   "6256142"   "6268956"   "6320889"   "6370297"   "6418156").PN. OR ("6873639").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 11:30
S49	28	("3611190"   "4713820"   "4876694"   "4949346"   "5107513"   "5148445"   "5181223"   "5224116"   "5268920"   "5287378"   "5299210"   "5299220"   "5305345"   "5315612"   "5381431"   "5394420"   "5394427"   "5432806"   "5441803"   "5475526"   "5479430"   "5692005").PN. OR ("5841805").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 11:35
S50	6	("4360925"   "4953175").PN. OR ("5299220").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 11:36
S51	371	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser) and (fabrication or production or method)	USPAT	OR	OFF	2005/12/15 11:53
S52	371	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser) and (fabrication or production or method or dicing or cleaving or dice or cleave)	USPAT	OR	OFF	2005/12/15 11:48
S53	137	cleaving with resonator	USPAT	OR	OFF	2005/12/15 11:48

## EAST Search History

S54	473	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser) and (fabrication or production or method)	USPAT	OR	OFF	2005/12/15 13:53
S55	5	("5139609"   "5790574"   "6026101"   "6039632"   "6387059").PN. OR ("6914928").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 13:06
S56	43	slab near laser with array	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 13:06
S57	40	("3565508"   "3590004"   "3675155"   "3755757"   "3880632"   "3963347"   "3978427"   "4149902"   "4507787"   "4509175"   "4531809"   "4638552"   "4810318"   "4984246"   "5033058"   "5084888"   "5239549"   "5321711"   "5394420"   "5548606").PN. OR ("5852622").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 13:17
S58	27	("4894839"   "4901330"   "4924474"   "5123025"   "5243619").PN. OR ("5351259").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 13:33
S59	466	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser) and (dic\$4 or cleav\$4)	USPAT	OR	OFF	2005/12/15 13:39
S60	466	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser) and (dice or dicing or diced or cleav\$4)	USPAT	OR	OFF	2005/12/15 13:52
S61	17	((((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser)) and (dice or dicing or diced or cleav\$4)	USPAT	OR	OFF	2005/12/15 13:46
S62	12	((((zigzag or zig near zag or "zig-zag" ) with(amplifieror slab)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser)) and (dice or dicing or diced or cleav\$4)	USPAT	OR	OFF	2005/12/15 13:47

## EAST Search History

S63	18	((zigzag or zig near zag or "zig-zag" ) with(amplifier or slab)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser)) and (dice or dicing or diced or cleav\$4)	USPAT	OR	OFF	2005/12/15 13:47
S64	349	((zigzag or zig near zag or "zig-zag" ) with(amplifier)) or (slab with oscillator-amplifier) or (slab near laser)or (helix near laser)) and (fabrication or production or method)	USPAT	OR	OFF	2005/12/15 13:53
S65	16600	rectangular and (fiber or fibre) near optic\$	USPAT	OR	OFF	2005/12/15 13:54
S66	3254	rectangular same(fiber or fibre) near optic\$	USPAT	OR	OFF	2005/12/15 13:54
S67	79	rectangular near (fiber or fibre) near optic\$	USPAT	OR	OFF	2005/12/15 13:55
S68	1476	array near (fiber or fibre) near optic\$	USPAT	OR	OFF	2005/12/15 13:55
S69	0	array near (fiber or fibre) near optic\$ with dice	USPAT	OR	OFF	2005/12/15 13:56
S70	3	array near (fiber or fibre) near optic\$ with dicing	USPAT	OR	OFF	2005/12/15 13:56
S71	0	array near (waveguide or wave near guide) with dicing	USPAT	OR	OFF	2005/12/15 13:56
S72	0	array near (waveguide or wave near guide) with dice	USPAT	OR	OFF	2005/12/15 13:57
S73	0	array with(waveguide or wave near guide) with dice	USPAT	OR	OFF	2005/12/15 13:57
S74	0	array with(waveguide or wave near guide) with cleave	USPAT	OR	OFF	2005/12/15 13:57
S75	12	array with(waveguide or wave near guide) with cleav\$4	USPAT	OR	OFF	2005/12/15 13:57
S76	489	(waveguide or wave near guide) with cleav\$4	USPAT	OR	OFF	2005/12/15 13:58
S77	1892	internal with cleav\$4	USPAT	OR	OFF	2005/12/15 13:58
S78	91227	internal near reflectionwith cleav\$4	USPAT	OR	OFF	2005/12/15 13:58
S79	16	internal near reflection with cleav\$4	USPAT	OR	OFF	2005/12/15 13:58
S80	41	Byers.inv. near (robert.inv. or "r\$. inv")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 14:07

## EAST Search History

S81	0	Byers.inv. with "r\$.inv"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 14:08
S82	0	Byers.inv. with "r.inv."\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 14:08
S83	1928	Byers.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 14:08
S84	1	("5227911").PN.	USPAT; USOCR	OR	OFF	2005/12/15 14:09
S85	1	("5077087").PN.	USPAT; USOCR	OR	OFF	2005/12/15 14:10
S86	327	(372/66).CCLS.	USPAT; USOCR	OR	OFF	2005/12/15 14:13
S87	348	(372/66).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 14:19
S88	105717	("438").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 14:21
S89	1	S87 and S88	USPAT	OR	OFF	2005/12/15 14:13
S90	15	S87 and (dic\$4 or cleav\$4)	USPAT	OR	OFF	2005/12/15 14:19
S91	304	(438/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/15 14:21
S92	4	metallic near nanotubes with band near gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 17:31
S93	0	zigzag near4 naotubes with band near gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 17:31

## EAST Search History

S94	52977	zigzag s with band near gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 17:31
S95	2	zigzag with band near gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 17:32
S96	1	zig near zag with band near gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/15 17:32
S10 1	0	optical near (slab bar) with (dice cleave)	USPAT	OR	OFF	2006/01/05 14:19
S10 2	4	optical with (slab bar) with (dice cleave)	USPAT	OR	OFF	2006/01/05 14:19
S10 3	14	optical with (slab bar) with (dice cleave)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:20
S10 4	32	laser near (slab bar) with (dice cleave)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:27
S10 5	0	dice with zig near zag near slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:27
S10 6	0	cleave with zig near zag near slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:28

## EAST Search History

S10 7	0	cleave with zig near zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:28
S10 8	0	(dice cleave) with zig near zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:29
S10 9	0	(dice cleave) with zig-zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:29
S11 0	9	(dice cleave) with zig-zag	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:30
S11 1	126	(dice cleave) with waveguide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:45
S11 2	59	(dice cleave) near4 waveguide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:46
S11 3	3	(dice cleave) with TIR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 14:47
S11 4	7	(dice cleave) same "total internal reflection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:01

## EAST Search History

S11 5	1880	(385/129).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:04
S11 6	0	S115 with (cleave or dice)	USPAT	OR	OFF	2006/01/05 15:01
S11 7	0	S115 with (cleave or dice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:02
S11 8	0	S115 with (cleaving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:02
S11 9	0	S115 with (cleav\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:02
S12 0	0	S115 with dic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:02
S12 1	0	S115 with cut	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:03
S12 2	0	S115 with singulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:03
S12 3	112	(zig-zag zig near zag) with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:05

## EAST Search History

S12 4	3	(zig-zag zig near zag) with amplifier and (dicing dice cleav\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:06
S12 5	10	(zig-zag zig near zag) with (amplifier slab bar) and (dicing dice cleav\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:08
S12 6	1	2005-354117.NRAN.	DERWENT	OR	OFF	2006/01/05 15:08
S12 7	212	TIR with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:17
S12 8	8	"5841805"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:19
S12 9	1	1998-379324.NRAN.	DERWENT	OR	OFF	2006/01/05 15:18
S13 0	37444	dicing ND:yag	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:19
S13 1	27	(dicing dice cleav\$4)with ND:yag	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:21
S13 2	274	(dicing dice cleav\$4 cutting cut)with ND:yag	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:21

## EAST Search History

S13 3	2	(dicing dice cleav\$4 cutting cut)with ND:yag near (bar or slab)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:24
S13 4	3	(dicing dice cleav\$4 cutting cut)with yag near (bar or slab)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:26
S13 5	1400	(dicing cutting cut cleav\$4 dice) with TIR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:27
S13 6	316	(dicing cutting cut cleav\$4 dice) near5 TIR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:29
S13 7	2810660	(zig near zag zig-zag) with (amplifier laser) (build manufacture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:30
S13 8	5	(zig near zag zig-zag) with (amplifier laser) same (build manufacture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:34
S13 9	1	10/678694	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:35
S14 0	26	("5381431" "5394413" "5414724" "5432811" "5463649" "5485482" "5495494" "5651023" "5847871" "6115400" "6219361" "6373864" "6377593").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:37
S14 1	1	1995-180966.NRAN.	DERWENT	OR	OFF	2006/01/05 15:37

## EAST Search History

S14 2	36	"5495494"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:37
S14 3	30	("4191931"   "5119382"   "5278855").PN. OR ("5495494"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 07:59
S14 4	1	("6014393").PN.	USPAT; USOCR	OR	OFF	2006/01/09 08:02
S14 5	26	("5381431" "5394413" "5414724" "5432811" "5463649" "5485482" "5495494" "5651023" "5847871" "6115400" "6219361" "6373864" "6377593").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 08:03
S14 6	11	("4815079"   "5394413"   "5414724"   "5495494").PN. OR ("6014393"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 08:36
S14 7	2	("5841805").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 08:36
S14 8	28	("3611190"   "4713820"   "4876694"   "4949346"   "5107513"   "5148445"   "5181223"   "5224116"   "5268920"   "5287378"   "5299210"   "5299220"   "5305345"   "5315612"   "5381431"   "5394420"   "5394427"   "5432806"   "5441803"   "5475526"   "5479430"   "5692005").PN. OR ("5841805").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 08:36
S14 9	43	("3530568"   "3789498"   "3836632"   "4033792"   "4163200"   "4256531"   "4350528"   "4475980"   "4507787"   "4509175"   "4519870"   "4900393"   "4900394"   "4910746"   "4955036"   "4961818"   "4984875"   "5047370"   "5165591"   "5187714"   "5209811"   "5219632"   "5321711").PN. OR ("5394420"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 08:48

## EAST Search History

S15 0	8	microlaser near cavity with ((zig near zag) zig-zag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 08:49
S15 1	33	("3609389"   "3810041"   "4191931"   "4698816"   "4894839"   "4953166"   "5130995"   "5305345"   "5317447"   "5394413"   "5402437"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5610933"   "5673281"   "5732100"   "5832010"   "5844932"   "5991315"   "6014393"   "6094447"   "6134258"   "6219361"   "6240113"   "6271923"   "6344937"   "6373865"   "6377593").PN. OR ("6566152"). URP.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 09:11
S15 2	14	("20020171918" "4894839" "5441803" "5479430" "6014393" "6094297" "6134258" "6256142" "6284085" "6377593" "6458176" "6472242" "6548176" "6566152").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 09:36
S15 3	0	dicing with slab near laser	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 09:36
S15 4	0	dicing with slab near laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 09:36
S15 5	0	cleave with slab near laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 09:36
S15 6	751	slab near laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 09:36

## EAST Search History

S15 7	0	slab near laser same dicing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:37
S15 8	245056	slab near laser an dicing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:37
S15 9	5	slab near laser and dicing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:40
S16 0	220	slab near laser and cut	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 09:47
S16 1	1	("20040066805").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 06:33
S16 2	0	(09/731434).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 10:11
S16 3	0	(09/731434).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 10:11
S16 4	2	09/731434	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 10:24
S16 5	504	(359/333).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 10:24

## EAST Search History

S16 6	4	S165 and zig near zag	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:04
S16 7	11	wiggler with amplifier and method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:04
S16 8	28	("3611190"   "4713820"   "4876694"   "4949346"   "5107513"   "5148445"   "5181223"   "5224116"   "5268920"   "5287378"   "5299210"   "5299220"   "5305345"   "5315612"   "5381431"   "5394420"   "5394427"   "5432806"   "5441803"   "5475526"   "5479430"   "5692005").PN. OR ("5841805").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 11:06
S16 9	51	("3565508"   "3880632"   "4149902"   "4531809"   "4638552"   "4810318").PN. OR ("5441803"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 11:11
S17 0	29	("3590004"   "3826992"   "4428646"   "4515431"   "4603940"   "4712075"   "4742307"   "4867518"   "4895422"   "5005175"   "5037181"   "5045397"   "5064265"   "5201977"   "5274495"   "5349600"   "5396362"   "5441803"   "5479542"   "5543960"   "5563899"   "5717517"   "5815309"   "5846638"   "5892857").PN. OR ("6270604").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 11:14
S17 1	63	("3123953"   "3565508"   "3880632"   "4149902"   "4509175"   "4531809"   "4638552"   "4671846"   "4810318"   "4983251"   "5013380"   "5201977"   "5441803").PN. OR ("5846638"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 11:39
S17 2	41	("3565508"   "3590004"   "3675155"   "3755757"   "3880632"   "3963347"   "3978427"   "4149902"   "4509175"   "4531809"   "4638552"   "4810318"   "4984246"   "5033058"   "5084888"   "5239549").PN. OR ("5563899"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 12:20

## EAST Search History

S17 3	0	blocking same zig near zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 12:20
S17 4	431	blocking same zig- zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 12:20
S17 5	0	blocking same zig-zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 12:20
S17 6	469949	blocking andzig-zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 12:20
S17 7	6	blocking and zig-zag with slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 12:24
S17 8	27	blocking and glass near slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 12:24
S18 0	13	("5381431" "5394413" "5414724" "5432811" "5463649" "5485482" "5495494" "5651023" "5847871" "6115400" "6219361" "6373864" "6377593").PN.	USPAT	OR	OFF	2006/01/09 17:01
S18 1	13	("5381431" "5394413" "5414724" "5432811" "5463649" "5485482" "5495494" "5651023" "5847871" "6115400" "6219361" "6373864" "6377593").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/10 06:31
S18 2	51	("3565508"   "3880632"   "4149902"   "4531809"   "4638552"   "4810318").PN. OR ("5441803").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 17:05

## EAST Search History

S18 3	35	("3590004"   "3826992"   "4428646"   "4515431"   "4603940"   "4712075"   "4742307"   "4867518"   "4895422"   "4964134"   "4995696"   "5005175"   "5037181"   "5045397"   "5064265"   "5201977"   "5274495"   "5349600"   "5396362"   "5441803"   "5479542"   "5540799"   "5543960"   "5563899"   "5563979"   "5717517"   "5815309"   "5846638"   "5892857"   "6052220"   "6141475"   "6198569"   "6208456"   "6270604").PN. OR ("6511571"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/09 17:06
S18 4	0	("5381431" "5394413" "5414724"   "5432811" "5463649" "5485482" "5 495494" "5651023" "5847871" "611 5400" "6219361" "6373864" "63775 93").PN.).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 06:30
S18 5	13	("5381431" "5394413" "5414724" "5 432811" "5463649" "5485482" "54 95494" "5651023" "5847871" "6115 400" "6219361" "6373864" "637759 3").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/10 06:31
S18 6	0	S185 and zig*	US-PGPUB; USPAT	OR	OFF	2006/01/10 06:31
S18 7	4	S185 and zig near zag	US-PGPUB; USPAT	OR	OFF	2006/01/10 06:31
S18 8	1	("6,377,593").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 06:38
S18 9	1	("5,414,724").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 06:38
S19 0	22	("4710940"   "4785459"   "4972427"   "5031182"   "5081637"   "5123026"   "5315612").PN. OR ("5485482").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 06:53

## EAST Search History

S19 1	30	("3609389"   "3810041"   "4191931"   "4698816"   "4894839"   "4953166"   "5130995"   "5305345"   "5317447"   "5394413"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5610933"   "5673281"   "5732100"   "5832010"   "5844932"   "5991315"   "6014393"   "6094447"   "6219361"   "6240113"   "6271923"   "6344937"   "6373865").PN. OR ("6472242").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:20
S19 2	0	dicing with laser near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:20
S19 3	18302	dicing samelaser near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:20
S19 4	0	dicing same laser near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:20
S19 5	8	dicing and laser near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:22
S19 6	45	dicing and laser near bar	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:27
S19 7	717	dicing near3 laser	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:28
S19 8	284	dicing near laser	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:28
S19 9	79	dicing near laser and Yag	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:29
S20 0	1	dicing near lasers and Yag	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:29
S20 1	35	cut near lasers and Yag	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:31
S20 2	0	cut near lasers near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:31
S20 3	0	cleave same lasers near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:31

## EAST Search History

S20 4	0	dice same laser near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:32
S20 5	150	cut same laser near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:32
S20 6	639	(zig near zag or zig-zag) same laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 07:34
S20 7	14	(zig near zag or zig-zag) with resonation and laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 07:59
S20 8	33	("3609389"   "3810041"   "4191931"   "4698816"   "4894839"   "4953166"   "5130995"   "5305345"   "5317447"   "5394413"   "5402437"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5610933"   "5673281"   "5732100"   "5832010"   "5844932"   "5991315"   "6014393"   "6094447"   "6134258"   "6219361"   "6240113"   "6271923"   "6344937"   "6373865"   "6377593").PN. OR ("6566152"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:49
S20 9	28	wiggle\$4 with resonator	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:53
S21 0	1	dicing with optical near rod	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:54
S21 1	7	("5241612"   "5394498"   "5446815"   "5600748"   "6219484"   "6328482").PN. OR ("6621976"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:54
S21 2	0	dicing with optical near bar	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:54
S21 3	83	dicing near3 waveguide	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 07:55

## EAST Search History

S21 4	97	dicing near3 waveguide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 07:55
S21 5	394	(zig near zag or zig-zag) with (resonation resonator laser microlaser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:00
S21 6	122	(zig near zag or zig-zag) near2 (resonation resonator laser microlaser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:04
S21 7	751	laser near slab	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:04
S21 8	0	laser near slab with dicing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:04
S21 9	0	laser near slab with singulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:04
S22 0	0	laser near slab with dice	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:05
S22 1	0	laser near slab with cleave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/01 13:36

## EAST Search History

S22 2	35	laser near slab with cut	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:05
S22 3	20	("3810041"   "4191931"   "4894839"   "4953166"   "5305345"   "5394413"   "5408480"   "5455838"   "5463649"   "5479430"   "5488619"   "5546416"   "5555254"   "5732100"   "5832010"   "5844932"   "5991315"   "6094447").PN. OR ("6377593"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 08:11
S22 4	900	(156/99).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:27
S22 5	8657	S224 and cut or dice	USPAT	OR	OFF	2006/01/10 08:27
S22 6	139	S224 and (cut or dice)	USPAT	OR	OFF	2006/01/10 08:28
S22 7	146249	("156").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:28
S22 8	278	S227 and resonator	USPAT	OR	OFF	2006/01/10 08:31
S22 9	479	S227 and (zig near zag zig-zag)	USPAT	OR	OFF	2006/01/10 08:34
S23 0	264343	("428").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:35
S23 1	1	S230 and zig near zag and resonator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:38

## EAST Search History

S23 2	217	(zig near zag zig-zag) near3 (resonator laser resonation amplifier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 15:53
S23 3	143	(zig near zag zig-zag) near3 (resonator laser resonation amplifier) and method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:47
S23 4	143	(zig near zag zig-zag) near3 (resonator laser resonation amplifier optical with cavity) and method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:52
S23 5	268	laser near rod with method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:52
S23 6	128	laser near rod with method and YAG	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:59
S23 7	0	laser near rod with dicing and YAG	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 08:59
S23 8	1	laser near (rod bar slab) with (dicing cleaving cleave dice) and YAG	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 09:09
S23 9	12	("4751708"   "4769342"   "5022037").PN. OR ("5180685"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 09:00
S24 0	63	laser near (rod bar slab) with (dicing cleaving cleave dice cut cutting) and YAG	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 09:10

## EAST Search History

S24 1	6	zig\$5 same dic\$3 same slab\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/01 13:37
S24 2	14	zig\$5 same dic\$4 same slab\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/01 13:37
S24 3	25	("20020171918" "4894839" "5441803" "5479430" "6014393" "6094297" "6134258" "6256142" "6284085" "6377593" "6458176" "6472242" "6548176" "6566152").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 16:08
S24 4	9	09/337432	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 16:09
S24 5	17	("4984246"   "5084888"   "5084889"   "5299220"   "5373576").PN. OR ("5479430").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/16 16:33
S24 6	17	("4984246"   "5084888"   "5084889"   "5299220"   "5373576").PN. OR ("5479430").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/16 16:34